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## We claim:

1. Mold cleaning apparatus comprising a manifold adapted to be coupled to a suction device, a first conduit extending from the manifold and having a first opening remote from the manifold, and a second conduit extending from the manifold and having a second opening remote from the manifold, the first and the second openings being directed in opposite directions, and the first conduit having a section with a cross-sectional area which is less than cross-sectional area at any point along the length of the second conduit.

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- 2. Apparatus according to claim 1, wherein the first opening is adapted to engage an upper mold surface of a mold and the second opening is adapted to engage a lower mold surface of a mold.
- 3. Apparatus according to claim 2, wherein the first and the second openings each comprise a flexible member which is adapted to engage with the respective mold surface.
- Apparatus according to claim 3, wherein the flexible members are
   elastically deformable.
  - 5. Apparatus according to claim 1, further comprising fluid injection means coupled to the second conduit, adjacent to the second opening, to inject fluid into the opening of the second conduit.

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- 6. Apparatus according to claim 5, wherein the first opening is adapted to engage an upper mold surface of a mold and the second opening is adapted to engage a lower mold surface of a mold, and the fluid injection means is mounted on the second conduit to inject fluid towards the lower mold surface when the second opening is engaged with the lower mold surface.
- 7. Apparatus according to claim 1, further comprising another manifold, a third conduit extending from the other manifold to the first opening and a fourth conduit extending from the other manifold to the second opening.

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8. Molding apparatus for molding a material around a semiconductor chip and a substrate on which the semiconductor chip is mounted, the mold comprising a lower mold half and an upper mold half, the mold halves being movable between an open position, in which a substrate and a semiconductor chip mounted thereon can be inserted into the mold halves and a molded substrate and semiconductor chip can be removed from the mold halves, and a closed position. In which a molding operation can be performed: a first movable carriage adapted to insert a substrate and a semiconductor chip mounted thereon into the mold; a second carriage adapted to remove a molded substrate and semiconductor chip from the mold; a first mold cleaning device mounted on the first carriage to clean a surface of the mold halves before a substrate and a semiconductor chip are placed in the mold; and a second cleaning device mounted on the second carriage to clean the mold halves after a molded substrate and semiconductor chip is removed from the mold.

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- Apparatus according to claim 8, wherein the first cleaning device comprises a brush which engages with a surface of the mold halves during cleaning.
- 5 10. Apparatus according to claim 8 or claim 9, wherein the first cleaning device comprises a fabric material which engages with a surface of the mold halves during cleaning.
- 11. Apparatus according to claim 8, wherein the first cleaning device is
  adapted to clean the lower mold half.
  - 12. Apparatus according to claim 8, wherein the second mold cleaning device comprises a suction cleaning device.
- 13. Apparatus according to claim 12, wherein the suction cleaning device comprises a mold cleaning apparatus comprising a manifold adapted to be coupled to a suction device, a first conduit extending from the manifold and having a first opening remote from the manifold, and a second conduit extending from the manifold and having a second opening remote from the manifold, the first and the second openings being directed in opposite directions, and the first conduit having a section with a cross-sectional area which is less than cross-sectional area at any point along the length of the second conduit.